

ABSTRACT OF THE DISCLOSURE

A queue scheduling method and apparatus for a queuing structure including a plurality of queues at different priorities and having different bandwidth privileges competing for the bandwidth of an output. The method
5 selects a queue at the current priority, having data for release to the output and having available bandwidth to release data to the output. If there are a plurality of such queues, round-robin ordering determines which queue in the plurality is selected. The apparatus includes a plurality of bit masks representing the status
10 in relation to a queue state variable of the different queues, which masks are combined in a bit-wise AND operation to determine which queues are selectable for releasing data to the output.